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EARLY AMERICAN
MEDALISTS
AND DIE-SINKERS
PRIOR TO THE CIVIL WAR

By
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FOREWORD

The germinating roots of medallic art in the United States lay not only among the slowly rising group of die-sinkers, but also in what may be termed a medallic 'folk-art'. This category included silver and goldsmiths, artisans, and painters who, due to conditions imposed by economic necessity and a remote Europe already medallically mature, contributed immensely to early American numismatics.

The list below contains names of individuals who may be listed as medalists, be they die-sinkers, engravers, designers, or coiners and technicians. Not included are those engravers whose major output encompassed the post-Civil War period, e.g., Key, the sons of the elder Robert Lovett, Merriam, Paquet, etc.

In the arrangement that follows, the complete list is broken down by categories for the convenience of future reference, while a roster in dictionary form will be published serially in subsequent issues of the Journal. The engravers of the United States Mint will be treated a little more intimately in a future study.

It must be understood, however, that new names will inevitably be called to the attention of the compiler and from time to time these will be published together with further pertinent data and rectification of errors. Since contemporary documents are conclusive proof, it is to be hoped that our readers who possess or know of such material, i.e., letters, directories, etc. will communicate with the compiler.

EARLY AMERICAN MEDALISTS AND DIE-SINKERS

(PRIOR TO THE CIVIL WAR)

BY RICHARD D. KENNEY

PRICE \$1.50

Sent to regular subscribers as part of their yearly subscription

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(PRIOR TO THE CIVIL WAR)

RICHARD D. KENNEY

COLONIAL AND STATE COINS

CONNECTICUT

James F. Atlee
Samuel Bishop
Samuel Broome
Abel Buel
Pierpont Edwards
John Goodrich
John Higley
James Hillhouse
Joseph Hopkins
Jonathan Ingersoll
James Jarvis
Mark Leavenworth
Jeremiah Platt
Elias Shipman

David Brooks

William Buel

William Co(o)ley

James Giles

James Grier

Reuben Harmon, Jr.

Elias Jackson

Thomas Machin

Daniel van Voorhis

NEW JERSEY

John Bailey

Albion Cox

Thomas Goadsby

John Harper

Hatfield

Walter Mould

Gilbert Rindle

NEW HAMPSHIRE

William Moulton

MARYLAND

I. Chalmers

NEW YORK

James F. Atlee

Samuel Atlee

Ephraim Brasher

David Brooks

James Giles

James Grier

Thomas Machin

FUGIOS

Abel Buel

James Jarvis

MISCELLANEOUS

A. Dubois

Benjamin Dudley

Jacob Eckfeldt

Peter Getz

Ephraim Getz

John Harper

Eli Leavenworth

Jacob Perkins

Col. Reed

John Stanwick

Hugh Williamson

MASSACHUSETTS

Joseph Callender

John Hull

Joseph Jenks

Jacob Perkins

Paul Revere

Joshua Wetherle

VERMONT

James F. Atlee

Samuel Atlee

HARD TIMES AND OTHER TOKENS

Joseph Bale	Charles D. Horter	H.M. & E.I. Richards
Bale and Smith	Edward Hulseman	Scovill and Company
Samuel H. Black	Lander	Richard Trested
Friend and Black	Robert Lovett (sr)	Benj. C. and Daniel True
J. Gibbs	James G. Moffet	Wright and Bale

MEDALS

Joseph Bale	Francis X. Kohler	Joseph Richardson
Bale and Smith	Leonard	Archibald Robertson
Baldwin & Co.	Robert Lovett (sr)	C. Schollay
Samuel Brooks	J. Manly	Robert Scot
P. F. Cross	B. Mead	F. B. Smith & Hartmann
Peter Paul Duggan	Meade Brothers	Smithers
Edward Duffield	F. N. Mitchell	J. F. Thomas
Salathiel Ellis	A. C. Morin	True
Daniel Christian Fueter	Johannes Adam Oertel	Twigg
Moritz Furst	Franklin Peale	John S. Warner
Christian Gobrecht	Nicholas Pearce	Walcutt
F. W. Green	Maltby Pedetrian	J. Willson
Robert Ball Hughes	Jacob Perkins	Charles Cushing Wright
Charles Cromwell Ingham	John Reich	Joseph Wright
Alfred Jones	Paul Revere	

UNITED STATES MINT

Thomas Birch	Christian Gobrecht	John Reich
Elias Boudinot	William Kneass	David Rittenhouse
George K. Childs	Samuel Moore	Robert Scot
Henry Wm. Desaussure	Robert Patterson	James Ross Snowden
George N. Eckert	Robert M. Patterson	Gilbert Stuart
Adam Eckfeldt	Franklin Peale	Henry Voigt
John Smith Gardner	Thomas M. Pettit	Joseph Wright

PRIVATE GOLD

Baldwin and Co.
James M. Barlow
August Bechtler
Christopher Bechtler
Hamilton Cambell
Cincinnati Mining and
Trading Co.
Clark, Gruber and Co.
J. J. Conway & Co.
Deseret Assay Office
Dubosq and Co.

Dunbar and Co.
Augustus Humbert
John Kay
Kellogg and Co.
F. D. Kohler
George F. Albert Kuner
Massachusetts and Calif. Co.
Miners Bank, San Francisco
Moffat and Co.
Norris, Grieg and Norris
Oregon Exchange Co.

J. S. Ormsby
Pacific Co.
John Parsons and Co.
Thomas Powell
Templeton Reid
Schultz and Co.
John Taylor
U. S. Assay Office, S. F.
Victor Wallace
Wass, Molitor & Co.
Charles Cushing Wright

JAMES F. ATLEE

A die-sinker associated with the Connecticut Mint at New Haven, with the Reuben Harmon establishment at Rupert, Vt., and with Machin's Mills in New York State. He engraved the dies for some Connecticut and Vermont coppers and according to some sources, but undocumented, he also engraved the N. Y. Non Vi Virtute Vici, Immunis Columbia, Liber Natus, and the George Clinton Cent. The last named coins are the same that Crosby intimates were coined by Maj. Eli Leavenworth who may have commissioned Atlee to sink the dies.

JOHN BAILEY

A cutler of New York City who coined or struck New Jersey coppers. The evidence is based on an original

affidavit which Crosby reproduces. Bailey and Ephraim Brasher, it appears, unsuccessfully presented petitions in February of 1787 to coin New York coppers.



BALDWIN AND CO.

Composed of George C. Baldwin and Thomas S. Holman, this jewelry firm of San Francisco succeeded F. D. Kohler & Co., having purchased their coining and other apparatus. Albert K uner cut the dies for their Five and Ten Dollars of 1850 and the Twenty Dollar piece of 1851.



JOSEPH BALE

A die-sinker of New York City who struck many medalets and store cards as an individual and as a member of the firms of Wright and Bale, and of Bale and Smith. The following data was taken from New York directories:

Wright & Bale

1829	68 William Street
1830-1831	16 Maiden Lane
1832-1834	68 Nassau Street

Bale & Smith

1835-1838	68 Nassau Street
1844-1848	96 Fulton Street
Succeeded by the firm of Smith & Hartmann.	

BALE AND SMITH

See Joseph Bale.

JAMES M. BARLOW



A jeweler and dentist of Salt Lake City who was one of the die-cutters for the Mormon coinage and who designed the 1860 Five Dollar piece. See also Deseret Assay Office, John Kay, and John Taylor.

AUGUSTUS BECHTLER CHRISTOPHER BECHTLER, SR. CHRISTOPHER BECHTLER, JR.



The Bechtlers came from Baden, Germany to Rutherfordton, North Carolina in 1830 and were engaged in the business of jewelers, metallurgists, coiners and die-sinkers from 1831 to 1852. After having opened a jewelry shop in 1830, Christopher Sr. and his son Augustus conceived the idea of coining gold from the mines of the area. Augustus continued the coinage after his father's death in 1842, operated for a few years, and when he died in about 1847 the business was conducted by Christopher, Jr., a nephew of the senior Bechtler.



THOMAS BIRCH

A Philadelphia engraver who worked for the U. S. Mint but not in a commissioned capacity. He engraved the 'Birch' Pattern Cent of 1792 and the Washington Cents of 1791 and 1792. See also John Harper.

SAMUEL BISHOP

See James Jarvis.



SAMUEL H. BLACK

An electrotyper and token manufacturer of New York City. With the exception of Black's personal cards and a uniface galvano of the Declaration of Independence, the compiler has seen no other pieces signed by Black. See Adams' United States Store Cards, New York Nos. 61-68 for a list of his various addresses.

ELIAS BOUDINOT

The third Director of the United States Mint, 1795-1805.



EPHRAIM BRASHER

Goldsmith and jeweller of New York City whose address was No. 1 Cherry St. In addition to his famous Doubloon, Brasher also counterstamped various Spanish-American gold coins with his initials.

DAVID BROOKS

Associated with Machin's Mills and as a partner in this firm also was part of the agreement with the Reuben Harmon mint to coin Vermont coppers.



SAMUEL BROOKS

A goldsmith and seal engraver of Philadelphia whose most noted work is the Washington medal published by Manly in 1790, Baker 61.

CINCINNATI MINING AND TRADING CO.



Originally organized in Cincinnati, Ohio, this San Francisco firm issued what may be assumed to be patterns in gold of five and ten dollar pieces dated 1849 as well as a five and twenty dollar piece in copper. Obscurity clouds the history and operations of the company.

CLARK, GRUBER & CO.



This Denver firm of bankers and gold coiners was composed of Austin M. and was organized in 1858. The Mint was located on what is now known as Sixteenth and Market Streets and George W. McClure, an assayer from Iowa, conducted the minting operations which consisted of striking of quarter, half, one, and double eagles in 1860 and 1861. The Government purchased the mint in April of 1863, used it as an assay office for a time, and finally sold the building and site in September 1906. In May 1865, the company combined to form the First National Bank of Denver.

WILLIAM CO(O)LEY

A goldsmith, formerly of New York, who was associated with Reuben Harmon, Jr. and who cut some of the dies for the Vermont coinage.

J. J. CONWAY AND CO.



A firm of jewellers and bankers of Georgia Gulch, Colorado who issued 2½, 5, and 10 dollar gold pieces in 1861.

ALBION COX

Associated with Thomas Goadsby in coining New Jersey coppers at the Elizabethtown mint. Cox also was United States Mint assayer in 1794 and 1795.

P. F. CROSS

Assistant Engraver at the U. S. Mint from 1844 to 1856. His most noted work is the obverse of the Ingraham medal whose reverse was engraved by Longacre.

SAMUEL BROOME

According to Bushnell who is quoted by Crosby, Broome and Jeremiah Platt were New York merchants who were sub-lessees of the contract to coin Connecticut Cents with Broome acting as superintendent of the New Haven mint.

ABEL BUEL

Silversmith and type-founder of New Haven who cut the dies for the Connecticut state coinage and the Fugio Cents. See James Jarvis.

WILLIAM BUEL

A son of Abel Buel and coiner at New Haven and Rupert. The Vermont Quarterly Review, Vol. I, p. 228, states that he brought with him to Vermont the original dies used by his father in New Haven (i.e., for the Fugios). Slafter, in quoting this, asserts that this is merely legendary and that William Buel probably was only an employee since he is not mentioned as a partner when the Harmon group formed the limited co-partnership with the Machin's Mills group.

JOSEPH CALLENDER

A die-cutter of Boston (1751-1821) who with Jacob Perkins shared the responsibility of making the dies for the Massachusetts state coinage of 1787.

HAMILTON CAMPBELL

A missionary of Oregon City who engraved the dies for the Oregon Exchange Company's five and ten dollar gold pieces of 1849.

JOHN CHALMERS



The goldsmith of Annapolis, Md. who issued four silver tokens in 1783. There is no reasonable doubt that he cut his own dies.

GEORGE K. CHILDS

Chief Coiner at the United States Mint, 1854-1861.



EDWARD DUFFIELD

A Philadelphia watchmaker and engraver (1730-1805) who was responsible

HENRY WM. DE SAUSSURE

The second Director of the United States Mint, July to October 1795.

DESERET ASSAY OFFICE



The mint of the Mormons at Salt Lake City which struck gold coins from 1849 to 1860. See also James Barlow and John Kay.

A. DUBOIS

Mention is made of Dubois in early accounts, as recorded in American State Papers, that he was paid 72 Dollars on May 5, 1783 for "... sinking, case-hardening, &c. four Pair of Dies for the Public Mint." We may safely assume that these dies were for the Nova Constellatio patterns.



for the following dies: The Kittanning Medal, Betts 400; and the George II Indian Peace Medal 1757, Betts 401.



DUBOSQ & CO.

Composed of Theodore Dubosq and a Goodwin, this San Francisco firm of coiners issued their very rare five and ten dollar pieces in 1850.

BENJAMIN DUDLEY

The same accounts referring to A. Du-bois also mention Dudley as having been paid on two separate occasions in preparing a Mint (on March 21st and on June 30, 1783). That he was materially responsible for the Nova Constellatio patterns is evidenced from several passages in Robert Morris' diary which is quoted by Crosby.

PETER PAUL DUGGAN

A nineteenth century painter who came to New York from Ireland in 1810. With C. C. Wright executing the dies, Duggan designed, with the aid of Ellis and Hughes, the following American Art Union medals: Washington Allston 1847, Gilbert Stuart 1848, and John Trumbull 1849. He later left the United States for Europe and died in France in 1861.



DUNBAR & CO.

The San Francisco banking firm that issued its very rare five-dollar piece of 1851, dies by Kuner. Edward E. Dunbar,

the senior member, later organized the Continental Bank Note Company, one of the components of the American Bank Note Company.

GEORGE N. ECKERT

The seventh Director of the United States Mint who served from 1851 to 1853.

ADAM ECKFELDT

Appointed by Director Boudinot as Assistant Coiner in 1796, he continued in that capacity until the death of Henry Voigt in 1814 when he assumed the responsibility of Chief Coiner. He is remembered for his diligent work at the Mint and his interest in numismatics. He



died in 1852 after several years of work, without compensation, following his resignation in 1839. His son, Jacob Reese and grandson, Jacob Bausch, were also active and important at the Mint as assayers from 1832 on.

JACOB ECKFELDT

The father of Adam whose full name was John Jacob and who came to Philadelphia from Nuremberg in 1765. As an expert machinist, he soon was involved

in early Mint work and the previously mentioned accounts referring to Dubois and Dudley also mention the elder Eckfeldt as having been paid for some Mint dies by Robert Morris in 1783. There can be no doubt that these are Nova Constellatio.

PIERPONT EDWARDS

A member of the co-partnership which was organized on Nov. 12, 1875 to coin Connecticut coppers. It was James Jarvis who bought out Edwards' share in April 1786.

SALATHIEL ELLIS

A painter of New York City who designed several medals engraved by Wright, Willson, Humphries and Leutze. Among these are medals of Scott, Taylor, Fillmore, Pierce, Buchanan, and Lincoln. See Loubat nos. 62-74.



FRIEND AND BLACK

Electrotypers and token manufacturers of New York City. The fabric of their own advertising card, dated 1860, bears

a definite relationship and affinity with the cards of Samuel H. Black who in all probability was a partner in this combination.

DANIEL CHRISTIAN FUETER

A silversmith of New York City whose important works are the George



III Indian Chief Medals of 1764 known as the Happy While United, Betts 509-511.

MORITZ FURST

A prolific medal engraver who worked for the United States Mint from 1808 to 1838. Born in Hungary in 1782, he settled in Philadelphia as a die-cutter and seal engraver and executed the dies for most of the national medals struck by resolution of Congress dealing with the War of 1812. Others, in addition, in-

clude the Presidential medals of Madison to Van Buren. Furst was not a salaried Mint employee.

JOHN SMITH GARDNER

Quoting from Stewart's History of the First U. S. Mint, we find that "John Smith Gardner was the Acting Assistant Engraver of the Mint as early as November, 1794. On August 11, 1795, he wrote to Director De Saussure, asking for an increase of pay of seventy-five cents a day to his salary of two dollars and twenty-five cents. He had the making of all the punches together with the types necessary for the dies, also all the hubs from the original dies and the striking of all the hubs and dies. He also engraved all the reverses of each kind of die such as the dollar, half dollar, etc., and put the border and legend on all the head dies, assisted in hardening each and partly the glossing of them . . ."



PETER GETZ

An engraver of Lancaster, Pennsylvania, 1768-1804. He is known for his Washington Half Dollar of 1792, Baker 23-24

EPHRAIM GETZ

Further research has yet to prove conclusively that this engraver is the E. G. who appears on the Continental Dollar of 1776.



J. GIBBS

A manufacturer of medals and tokens who resided at Belleville, New Jersey. His own token, struck during the Hard Times period, bears the Low number 150.

THOMAS GOADSBY

A coiner, with Albion Cox, of New Jersey coppers at Elizabethtown.

CHRISTIAN GOBRECHT

The third engraver of the U. S. Mint Born in 1785, Gobrecht became Assistant Engraver in 1836 and Chief in 1840 until he died in 1844. He is most renowned for his Flying Eagle Pattern Dollars but was also responsible for the regular series of silver coins starting with types from 1837 to 1840 on. Among his finely executed medals mention should be made of the following: Franklin Instr-



tute, 1825 (Designed by Thomas Sully); Charles Wilson Peale; the Archimedes medal of the Massachusetts Society for the Promotion Of Manufactures; and the rare portrait medal of Charles Carroll of Carrollton. A more complete biography may be found in *The Numismatist*, 1911, P. 417.

JOHN GOODRICH

A member of the first partnership which was formed on Oct. 20, 1785 to coin Connecticut coppers. See James Jarvis.

F. W. GREEN

His name appears as the publisher of the Daniel Webster medal, the dies of which were engraved by C. C. Wright.

REUBEN HARMON, JR.

The coiner of Vermont cents by virtue of the Act of the Vermont Legislature of June 1785. His partners in the venture were Col. William Co(o)ley, Elias Jack-

son, Daniel van Voorhis and James F. Atlee, and the coinage was executed in his home at Rupert. Harmon's inclusive dates were from 1750 to 1806.

JOHN HARPER

A saw manufacturer located near Trenton, N. J. who made some of the dies for New Jersey coppers and the Washington pattern Cents of 1791. The *Historical Magazine* of September, 1861 divulges this interesting information: "... Congress passed the law establishing the National Mint, in 1792, and while the measure was under discussion, the artists in Philadelphia, then the seat of government, were engaged in getting up dies, hoping to secure the approval of Government for their handiwork. John Harper, an extensive manufacturer of saws, at the corner of Sixth and Cherry Streets, caused dies to be made under direction of Robert Birch. Most of the original Washington Cent pieces were struck from these dies. The coins of 1791 were made in the cellar of Mr. Harper's shop, on a press which it is supposed was imported from England. The coins of 1792 were struck on a press which was set up in an old coach-house in Sixth Street above Chestnut, directly opposite Jayne Street. This last described press was made by Adam Eckfeldt, for many years the Chief Coiner of the National Mint . . ." That he was connected with making of New Jersey Cents is attested to by correspondence to Boudinot from Albion Cox who praised Harper for his work in connection with these pieces.

HATFIELD

There is a vague reference to Hatfield as a die-cutter and coiner of New Jersey Cents at Elizabethtown. See Crosby, P. 282.



JOHN HIGLEY

The blacksmith and copper-mine operator of Granby, Connecticut who was born in 1673 and is known for his rare coppers of 1737-1739.

JAMES HILLHOUSE

Another member of the first partnership which was formed on Oct. 20, 1785 to coin Connecticut coppers. See James Jarvis.

JOSEPH HOPKINS

Same as above.



CHARLES D. HORTER

A die-sinker of New York City who operated in the mid-nineteenth century. His own store-card of the 1850 period bears the Adams number 357 and he also executed some later Civil War tokens.

ROBERT BALL HUGHES

A sculptor who designed the American Art Union medal of John Trumbull in 1849, in conjunction with C. C. Wright

and Duggan. Hughes was born in England in 1806, settled in New York in 1829 and maintained a studio in Dorchester, Mass. His famous work of Chief Justice John Marshall reposes in the Pennsylvania Academy of Fine Arts. He died in 1868.



JOHN HULL

A goldsmith (1624-1683) who was the mintmaster of The Massachusetts Bay Colony and who coined the early silver coins of the colony at Boston.



EDWARD HULSEMAN

An engraver of New York City whose address between 1837 and 1841 was at 80 Nassau Street. His initial H appears on the Hard Times tokens bearing Low numbers 104 and 51.

JONATHAN INGERSOLL

See James Jarvis

CHARLES CROMWELL INGHAM

A painter who designed the Edwin Forrest medal engraved by C. C. Wright. He was born in Dublin in 1796, came to New York in 1816 and helped found the National Academy of Design. He died in 1863.



AUGUSTUS HUMBERT

United States Assayer of Gold in California who issued, in 1851 and 1852, his famous fifty-dollar gold pieces.

ELIAS JACKSON

Of Litchfield, Conn. See Harmon.



JAMES JARVIS

The coiner of New Haven who was responsible for the Fugio and Connecticut Cents. On Oct. 20, 1785, Samuel Bishop, Joseph Hopkins, James Hillhouse, and John Goodrich were given exclusive right to establish a mint to coin Connecticut coppers for five years. On Nov. 12, 1785 these men formed a copartnership with Pierpont Edwards, Jonathan Ingersoll, Elias Shipman, and Abel Buel (who cut the dies). In April 1786, James Jarvis became a partner by buying out Edwards, Shipman, and part of Ingersoll. In September of 1787, the mint was leased to Mark Leavenworth for six weeks.

Regarding the Fugio Cents of 1787, the first coins issued under the authority

of the United States, we quote from the Journal of Congress which is reproduced by Crosby: "... There are two contracts made by the board of treasury with James Jarvis, the one for coining three hundred tons of copper of the federal standard, to be loaned to the United States, together with an additional quantity of forty-five tons, which he was to pay as a premium to the United States for the privilege of coining ... The other contract with said Jarvis is for the sale of a quantity of copper, amounting, as per account, to 71,174 pounds; this the said Jarvis has received at the stipulated price of eleven pence farthing, sterling, per pound, which he contracted to pay in copper coin, of the federal standard, on or before the last day of August 1788 ..."

JOSEPH JENKS

The die-cutter and mechanic of the Saugus (Mass.) Iron Works who engraved the first Massachusetts shilling in 1652. From the Massachusetts Records, vol. iv, quoted by Crosby, we find that ... "This Joseph Jencks, Sen., had previously been said to be "of Linn," and it is supposed it was he who cut many of the dies for the coinage of this mint."

ALFRED JONES

A line engraver who was born in England in 1819. From 1834 to 1838 he worked for the banknote firm of Rawdon, Wright, Hatch and Edson of Albany, N. Y. He designed the Henry Clay medal (Satterlee 119) the dies of which were executed by C. C. Wright.

JOHN KAY

A mechanic and patternmaker of Salt Lake City who was the first coiner and one of the die-cutters for the Mormon gold coinage of 1849 to 1860. See Barlow and Taylor.



KELLOGG AND COMPANY

From Edgar H. Adams we quote the following: "The firm of Kellogg & Co. was composed of John G. Kellogg, formerly of Auburn, N. Y., and George F. Richter, who began an assaying business as "Kellogg & Co." at 106 Montgomery Street, San Francisco, Dec. 19, 1853. In 1854 Mr. Richter withdrew from the firm and Augustus Humbert joined Mr. Kellogg, the firm changing its title to Kellogg & Humbert, although the coins issued at their assay office all bore the name of Kellogg & Co. This was one of the most important private assay offices operated in California. Immense amounts of coin were produced with their stamp, the total amount issued being estimated in the neighborhood of \$6,000,000." The issues were twenty-dollar pieces of 1854 and 1855 and fifty-dollar pieces in 1855.



WILLIAM KNEASS

The second engraver of the U.S. Mint. Born in Lancaster, Pa. in 1781, Kneass served in the mint from 1824 to 1840

when he died. Among his works are Washington medals, the pattern half-dollar of 1838, the gold coinage of 1834 and 1838 as well as the silver coinage of 1836 to 1838.



FRANCIS X. KOHLER

A die-cutter born in Germany in 1818 and who started his business in Baltimore in 1851. Most widely known for his sutler checks, Kohler was also responsible for several medals among which are the Wreckers Medal and the award medal of the Baltimore and Ohio Railroad. He died in 1886.



FREDERICK D. KOHLER

The State Assayer of California who issued several gold ingots from the Sacramento and San Francisco branches of the State Assay Office. These very rare pieces are dated 1850.

GEORGE F. ALBERT KUNER

Born in Lindau, Germany in 1819, Kuner learned gold and silversmithing at an early age. The turmoils of 1848 saw him arrive in this country as a political refugee and he settled in San Francisco. After a brief interlude with Moffat and Co. he started his own engraving business in 1849. The following private gold coins were engraved by him: Baldwin 5,

10, 20; Dunbar & Co. 5; Humbert 50 dollar slugs; N.G.N. 5; Schultz & Co. 5; all the coins of Wass Molitor & Co. and the Mormon 5 dollar piece of 1860. Kuner also made the dies for various Mechanic Institute medals as well as the seals for Wells, Fargo & Co. He died in 1906.

LANDER

According to Bushnell, Lander of New York cut the dies for the William J. Mullen store card in 1837 (Adams, N. Y. 616).

MAJ. ELI LEAVENWORTH

From Crosby P. 223: "... We further find from the information of Majr. Eli Leavenworth that he has made blank coppers the last fall had them stamped in New York with various impressions—some few of them with an impression similar to the impression of the coppers coined by the aforementioned compy.—We further find that Abel Bewel has gone to Europe that previous to his departure he gave his son Benjamin Bewel liberty to coin coppers which business he is now pursuing and has just began to stamp them all . . ." Crosby, in addition, believes that Leavenworth was responsible for the Libernatus, Clinton, Non Vi Virtute Vici, and the Immunis Columbia of 1787.



ROBERT LOVETT, SR.

The father of three famous die-sinkers, George H., Robert, Jr., and J. D. The elder Lovett was known in Philadelphia

from 1816 to 1822 and is known to have worked in New York as early as 1825. In addition to his own rare store card struck in 1833-34, he is best known for the Croton Aqueduct Medal of 1848.

MARK LEAVENWORTH

SEE Jarvis.

LEONARD

A die-sinker whose best known works were the Henry Clay medals bearing the Satterlee numbers 121-123, 124-5, 128-130.

THOMAS MACHIN

The executive of the hardware and coining firm of Machin's Mills at New Grange, now Newburgh, N. Y. The firm struck imitation English halfpence, and in conjunction with Harmon's firm in Vermont, also struck New York and Vermont coppers. The dies were engraved by James Atlee. Born in England in 1744, Machin served as a British officer and during the Revolution joined the Americans. He died in 1816. For a fuller account of Machin's Mills, see Crosby, pp. 190-192.



J. MANLY

The Philadelphia publisher who issued the Washington medal of 1790 engraved by Brooks (Baker 61).



MASSACHUSETTS AND CALIFORNIA CO.

A San Francisco firm that issued the very rare Five-dollar gold piece in 1849. Nothing is known of the history of this firm but supposition has it that the firm was organized in Northampton, Mass.

GEORGE W. McCLURE

An assayer from Iowa who was in charge of minting operations for Clark, Gruber & Co.

B. MEAD

A St. Louis die sinker who engraved the Indian Peace medals relating to fur traders (Belden 66-68) in the decade before the Civil War.



F. N. MITCHELL

A sculptor and medalist of Boston most of whose works were executed in the two decades before the Civil War. Among his medals are the following:

Worcester County Mechanics Ass'n; Harrison medals of 1840 (Satterlee 69-71); Bunker Hill Jubilee 1850; and the Samuel Appleton medal, 1845.



MEADE BROTHERS

A New York firm of daguerreotypers in the mid-nineteenth century. The Daniel Webster medal engraved by C. C. Wright credits the Meade Brothers for the original photography of the reverse.



MINERS BANK

The San Francisco bank operated by the firm of Wright and Company that issued a ten-dollar gold piece in 1849. The company was dissolved in 1850.



MOFFAT AND COMPANY

The San Francisco assaying firm that issued five, ten, and twenty dollar com-

from 1849 to 1853. Their first coins were rectangular gold ingots valued respectively at \$9.43 and \$16.00. In 1850, the firm became U.S. assay contractors, and in early 1852, John L. Moffat retired from the firm, the other partners having organized to conduct the United States Assay Office of Gold. Moffat resumed under the original firm name in 1853 when he issued his twenty-dollar piece.



JAMES G. MOFFAT

A brass founder and metal worker of New York City who worked during the Hard Times period. In addition to his own store cards (Adams 585-6), he engraved several other New York cards such as those for Maycock and Crossman.

SAMUEL MOORE

The fifth director of the United States Mint, 1824-1835.



A. C. MORIN

A Philadelphia die-sinker whose medals include: Henry Clay (Satterlee 140); the prize medal of the Penn. State Agricultural Society; and the Washington N.Y. Crystal Palace, 1853 (Baker 361).

WALTER MOULD

The coiner of New Jersey coppers at the Morristown mint in 1787-88. He was originally associated with Albion Cox and Thomas Goadsby in securing the coinage contract.

WILLIAM MOULTON

In 1776 the New Hampshire legislature authorized the coinage of coppers and William Moulton was empowered to make the pieces.



NORRIS, GRIEG & NORRIS

The firm that issued the first coin in California, a five-dollar gold piece dated 1849, existing in both plain and reeded edges.



JOHANNES ADAM OERTEL

An engraver who was born in Germany in 1823 and settled in Newark, N. J. in 1848. Although he engraved many banknotes, he designed several medals the best known of which is the

N. Y. Crystal Palace, 1853, dies by C. C. Wright Oertel also carved church decorations and helped decorate the Capitol in 1857. He later attained success by his pictures of army life during the Civil War.



OREGON EXCHANGE COMPANY

The private banking firm of Oregon City that issued five and ten-dollar gold pieces in 1849.



J. S. ORMSBY & COMPANY

The very rare five and ten-dollar gold pieces were issued in 1849 by this Sacramento firm of gold smelters.



JOHN PARSONS AND CO.

Tarryall Mines, in the Pike's Peak district, were discovered in 1859 and situated on Tarryall Creek. A contemporary newspaper account refers to the gold coins made by Dr. J. Parsons. These are the very rare 2½ and 5 Dollar pieces that made their first appearance in the summer of 1861.



PACIFIC COMPANY

From Edgar Adams we learn that the rare set of coins ranging from the dollar to the ten-dollar piece, dated 1849, were struck by the coining firm of F. D. Kohler and Co. Kohler combined with Frederick C. Broderick in April of 1849 to enter the assaying business and in January 1850, the firm sold out to Baldwin. This is the year that Kohler was appointed as California State Assayer. Kohler, who was born in 1810 and died in 1864, was originally a New York jeweller and may have engraved the dies. Nothing further is known of the Pacific Company as such.

ROBERT PATTERSON

The fourth Director of the United States Mint, 1806-1824.

ROBERT M. PATTERSON

The sixth Director of the United States Mint, 1835-1851, and the son of the fourth director.

FRANKLIN PEALE

A son of Charles Wilson Peale, Franklin (1795-1870) joined the staff of the United States Mint in 1833, was appointed melter and refiner in 1836, and Chief Coiner in 1839 which position he held until 1854. In addition to engraving the obverse dies of the Polk and Taylor Indian Peace medals, he also was responsible for various coin-dies after the death of Gobrecht and his own departure from the mint. From abroad, he brought the Contamine reducing lathe and the steam-coinage press to the mint where he is remembered for many improvements.



MALTBY PEDETREAN

A mis-spelling in early accounts of one of the partners in the metal firm of Pelletreau, Bennett & Cooke of 170 Broadway, New York City, who struck the Erie Canal medal of 1826, dies by C. C. Wright.

NICHOLAS PEARCE

An engraver believed by Baker to have made the Victor Sine medal (no. 164).

JOHN PEARSON

A silversmith of New York City who engraved the Columbian Order medal of 1789.



JACOB PERKINS

The important engraver of Newburyport, Mass., 1766-1849. Perkins was responsible for the following dies: the two Washington mortuary medals, the Massachusetts copper coinage (with Calender) of 1787, and the very rare early pattern Dollar.

THOMAS M. PETTIT

The eighth Director of the United States Mint, who died a few weeks after his appointment by Pres. Pierce in April of 1853.

JEREMIAH PLATT

A New York merchant who had, according to Bushnell, a sub-contract for coining Connecticut coppers with Samuel Broome.

THOMAS POWELL

A blacksmith of Salem, Oregon who built the machinery for, and probably coined, the Oregon Exchange Company's 'Beaver' coins.

COLONEL REED

Reference is made by Hickox (p. 79) that a Col. Reed of Uxbridge supposedly struck the Immunis Columbia, New Jersey and the Immunis Columbia, Eagle (N.Y.).



JOHN REICH

Born in Germany as Jacob, Reich was Assistant Engraver of the U.S. Mint from about 1807 to 1817. In addition to executing the Half Eagle and Half Dollar of 1807, the following important medals are either signed by, or attributed to, Reich: the Indian Peace medals of Jeffer-

son and Madison; Washington Benevolent Society, 1808; and the Preble and Hull medals



TEMPLETON REID

A gunsmith and assayer of Lumpkin County, Georgia who issued the first privately-made gold coins since Brasher. Dated 1830, these consist of 2½, 5, and 10 Dollar pieces. It is probable that Reid cut his own dies. The extremely rare ten and twenty-five dollar pieces that he issued from California in 1849 are probably patterns.

PAUL REVERE

The legendary silversmith and designer, 1735-1818. Besides engraving plates for some issues of Continental Currency, Revere is thought to have designed the pattern Massachusetts Half-penny of 1776, and the William Pitt token of 1766 (Betts 518) that was engraved by Smithers.



H. M. & E. I. RICHARDS

Jewelry manufacturers of Attleboro, Mass. who, in addition to their own cards, made several Hard Times and Civil War tokens.

JOSEPH RICHARDSON

A noted silversmith of Philadelphia, 1711-1784. He struck the George II Indian Peace medal of 1757 (Betts 401) that was engraved by Duffield, and also engraved various oval Indian Peace medals described by Belden

GILBERT RINDLE

Rindle coined and or engraved New Jersey coppers for Goadsby and Cox at the Elizabethtown mint.



DAVID RITTENHOUSE

The first Director of the United States Mint, 1792-1795.

ARCHIBALD ROBERTSON

A Scottish-born painter who designed the Erie Canal medal of 1826 engraved by C. C. Wright and struck by 'Pedetean'.



SHULTS AND COMPANY

The only coin issued by this San Francisco foundry was their 5 Dollars of 1851. In 1850, they were located in the rear of the establishment of Baldwin and Co. and made all the dies then used for private gold coins in California, said dies having been engraved by Kuner.



C. SCHOLLAY

A nineteenth century artist who designed the medal for the Humane Society of Massachusetts engraved by C. C. Wright.



ROBERT SCOT

The first Engraver of the United States Mint from 1793 to 1823. Born in 1745 in Edinburgh, Scotland, he later came to this country and held the position of engraver to the State of Virginia from 1780 to 1782 where he worked on seals and possibly paper money. In the Mint, Scot cut the dies for some varieties of Cents and Half-Cents; and various early silver coins including the Dollar of 1794. He also engraved the Truxton medal of 1800.



SCOVILL MANUFACTURING CO.

One of the oldest die-sinking firms in existence today. Organized in 1827 by James M. Lamson and William Henry Scovill of Waterbury, Connecticut, the firm reflected the history of the country as evidenced by their tokens and medals. From their prolific output of Hard Times and other tokens to their very many political and campaign medals, Scovill played a very important role in the numismatic history of the land. Originally named J. M. L. & W. H. Scovill in 1827, the firm changed its name to Scovill and Company in 1840, while the present name has existed since 1850. An intimate history of the firm may be found in Edgar Adams' account published in the Numismatist of 1912.

ELIAS SHIPMAN

One of the coiners of Connecticut coppers from November 1785 to April 1786. See Jarvis.



F. B. SMITH & HARTMANN

The N.Y. die-sinking firm that succeeded Bale and Smith in 1848 and were, in turn, succeeded by Smith and Horst in 1857. Among their medals may be mentioned the John Pintard medal of the N.Y. Historical Society of 1857, and a large bronze of Edwin Forrest.

SMITHERS

A little known Philadelphia engraver who executed the William Pitt token of 1766 said to have been designed by Paul Revere. He may be the same as a James Smither who engraved some of the Pennsylvania Notes.

JAMES ROSS SNOWDEN

The ninth Director of the United States Mint, 1853-1861.

JOHN STANWICK

Official records mention that on April 17, 1783, John Stanwick was paid the sum of 22 Dollars and 42 ninetieths "for dies for the Public Mint". These, of course, would be the Nova Constellation. See also Dudley, A. Dubois, and J. Eckfeld.

GILBERT STUART

The eminent painter who was born in Rhode Island in 1755. He was most noted for his portrait of Washington, and, for numismatists, his design of the Liberty Head on the 1795 Dollar. Stuart died in 1828.

JOHN TAYLOR

One of the designers of the Mormon coinage in Salt Lake City. See Barlow and Kay.



RICHARD TRESTED

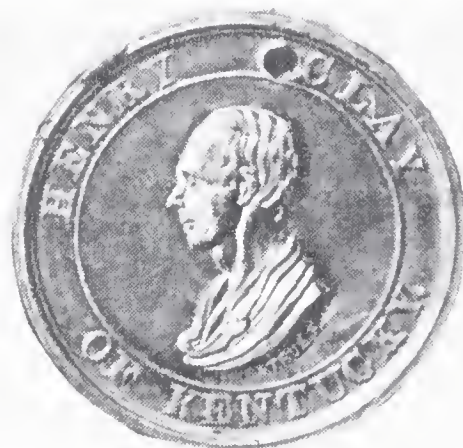
An early die-sinker of the nineteenth century of New York City. Directories place him at 70 William Street in 1821; at 68 William Street from 1823 to 1828; and at 76 Maiden Lane in 1829. There is reason to believe that Wright and

Bale succeeded Trested, through purchase, at the 68 William Street address. His signed pieces are all very rare and include the oval Castle Garden token as well as his personal store cards.



J. F. THOMAS

A die-sinker and engraver of Newark, N. J. as evidenced from an advertisement appearing in the Newark Daily Advertiser of January 2, 1835. His name may be observed under the bust of a Henry Clay brass shell medalet (Satterlee 155), as well as several other politicals.



TRUE

A family of die sinkers that operated in Albany, N. Y. and in Cincinnati, Ohio. There appear to be two Benjamin C. Trues, the elder working in Albany from 1832 to 1848; and the younger in Cincinnati from 1856 to 1860. Daniel True, a brother of the elder B.C., worked out of Albany from 1837 to 1877 with a short interval (1837-1839) in conjunction with his brother. The Trues made some Hard Times, Canadian Blacksmiths, and other tokens together with political campaign medalets.

TWIGG

The signer of the Washington portrait medal, 1789. Baker 65.

HENRY VOIGT

The Chief Coiner of the United States Mint from January 29, 1793 to February 15, 1814. It is claimed that Voigt made the Mint dies before the appointment of Scot as Engraver. The Washington Half Disme and the Silver Centre Cent of 1792 are generally accepted as having been designed and/or struck by him.



UNITED STATES ASSAY OFFICE OF GOLD

The San Francisco firm composed of Joseph Curtis, P. H. W. Perry, and Samuel Ward, members of the firm of Moffat & Company before it dissolved in 1852. Before the Assay Office ceased operations in 1853, it had issued 50, 20, and 10 Dollar gold pieces dated 1852 and 1853.

DANIEL VAN VOORHIS

One of the partners in the venture to coin Vermont coppers. See Harmon.

WALCUTT

Information is wanting on Walcutt whose name appears on a C. C. Wright-engraved medal of Henry Clay.

VICTOR WALLACE

A machinist of Oregon City who engraved the dies for the Oregon 10 Dollar 'Beaver' gold coin.

JOHN S. WARNER

A Philadelphia medalist, 1823-1868. He was the father of William H. and Charles K. Warner who were jewellers, medalists, and coin dealers up through the early part of the twentieth century.



WASS, MOLITOR & CO.

Located in San Francisco, this firm was composed of two Hungarian refugees of the turbulent 1848 period. Their 5, 10, 20, and 50 Dollar pieces, dated 1852 and 1855, were engraved by Kuner.



CHARLES CUSHING WRIGHT

Undoubtedly the most important engraver and medalist this country had ever produced. Born in Charleston, S. C. in 1796, Wright was known in his home town, in Savannah, Ga., and in New York City which witnessed his genius. He executed fine medals from 1824 until his death in 1857 and even found time

during this interval to be associated with Asher B. Durand in the banknote engraving business. Some of his numerous medals are: the three American Art Union medals; various medals of the Mexican War; and personal portrait pieces such as Herr Alexander, Lafayette, and Edwin Forrest. See also the following artists who collaborated with Wright: Duggan, Ellis, Green, Hughes, Ingham, Jones, Oertel, Pedetean, Robertson, Schollay, and Walcutt.

HUGH WILLIAMSON

An astronomer who probably designed the Confederatio cents of 1785. This is inferred in the Board of Treasury Reports.



WRIGHT AND BALE

C. C. Wright (above) combined with Joseph Bale in 1829, and with him produced many important and rare store cards and tokens. See Bale.

JOSHUA WETHERLE

A Boston coppersmith who was the master workman in the coinage of Massachusetts copper.

J. WILLSON

An engraver who executed presidential medals of Fillmore, Pierce, and Buchanan, in conjunction with Salathiel Ellis.



JOSEPH WRIGHT

An early draughtsman and engraver to the United States Mint. Wright is credited with the 1793 Wreath Cent and the Congressional medal presented to Maj. Lee. He was born in Bordentown, N. J. in 1756 and died in Philadelphia in 1793.

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